CINEMA BOG
ECOLOGICAL RESERVE

PURPOSE STATEMENT

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Approved by

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Date:

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Date:

Cinema Bog Ecological Reserve
Purpose Statement

Cinema Bog Ecological Reserve is located beside Highway 97, 28 km north-northeast of Quesnel and 0.5 km north of Cinema. The ecological reserve is 68 ha in size, and protects accessible and diverse bog habitats containing many plants at or near their southern limit of distribution.

The ecological reserve occupies the level bottom of a shallow north - south trough which was probably an ancient meltwater channel. The ecological reserve is situated on the Fraser Basin, a drift-covered area of low relief lying below the general surface of the Interior Plateau. The ecological reserve consists of a raised bog that drains both to the north and south.

The ecological reserve consists of treeless bogland surrounded by bog forest which is dominated by black spruce. An exceptional diversity of sedges has been noted, as well as several species of mosses and lichens.

The western portion of the ecological reserve has had logging activity and includes an old sawdust pile.

Primary Role
The primary role of Cinema Bog Ecological Reserve is to protect accessible and diverse bog habitats containing many plants at or near their southern limit of distribution.

Known Management Issues	Response
Drainage changes resulting from proposed commercial peat extraction adjacent to the ecological reserve.	Continue with hydrological monitoring.
Large visitor groups	Reduce the size of groups or initiate a system of permits to reduce impacts to vegetation.

CONSERVATION

Representation

- ecosection — Contributes minimally to the representation of the very poorly represented Quesnel Lowland Ecosection (0.75%); the ecological reserve contributes only 1.7% of the overall representation of this ecosection.
- biogeoclimatic subzone/variant — Contributes minimally to the representation of the poorly represented SBS dw1 (1.29%); the ecological reserve contributes only 1.34% of the overall protected areas system representation of this variant.

Special Feature

Rare/Endangered Values	X	Red-listed blue-sheathed cotton grass.
Scientific/Research Opportunities	X	Species at the outer limits of their range of distribution

RECREATION

Representation:

- backcountry
- destination
- travel corridor
- local recreation

	X	Nature appreciation opportunities

Special Opportunities

Education/Interpretation Opportunities	X	Bog ecology; species at the outer limits of their range of distribution

CULTURAL HERITAGE

Representation — Unknown

Special Feature

OTHER MANAGEMENT CONSIDERATIONS

Other Designations

Relationship to Other PAs	X	One of 148 ecological reserves established to protect natural ecosystems and phenomena for research and education purposes across the province.

Co-operative Management Arrangements

Partnerships	X	Ecological Reserve Warden (Nancy Muirhead, appointed June 1989)
Vulnerability	X	The Conservation Risk Assessment Process identified 2 risk factors (the shape and the size of the ecological reserve) for the ecological reserve and rated them as highly significant. Four stressors/threats were identified for the ecological reserve: commercial peat moss was rated as medium significance; petrochemical spill/potential, roadways and railways were rated with low significance.
Relationship to Other Strategies		

Area: 68 hectares

Date of establishment: December 22, 1977